McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 1 of 14

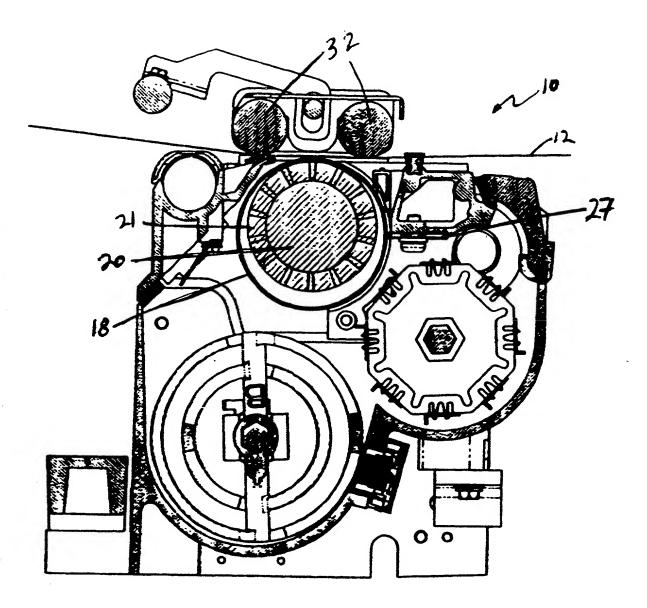


Fig. 1

McDonnell Bochnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 2 of 14

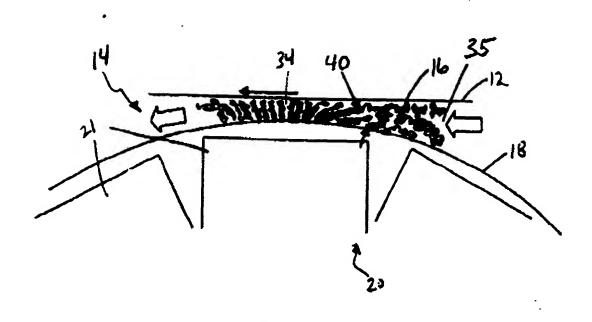
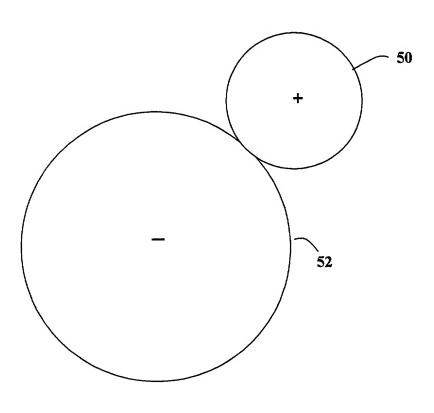


Fig. 2

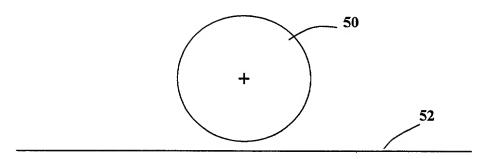
McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 3 of 14

Fig. 3



McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 4 of 14

Fig. 4



McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 5 of 14

Fig. 5

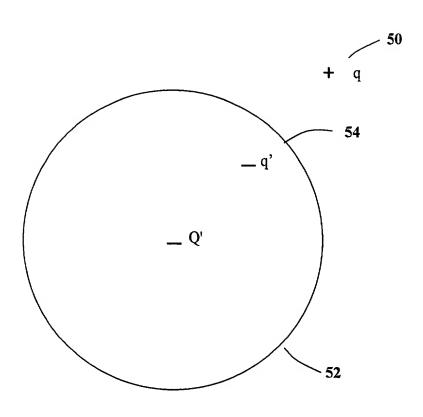
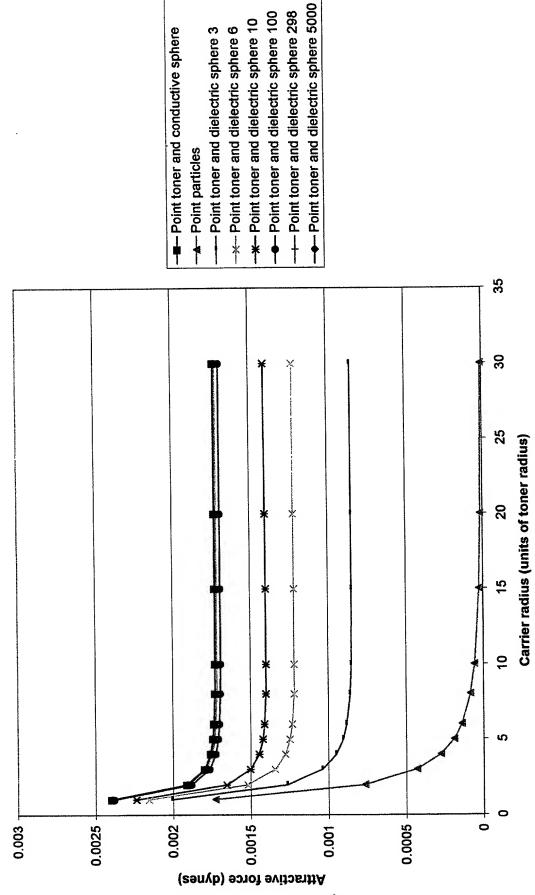
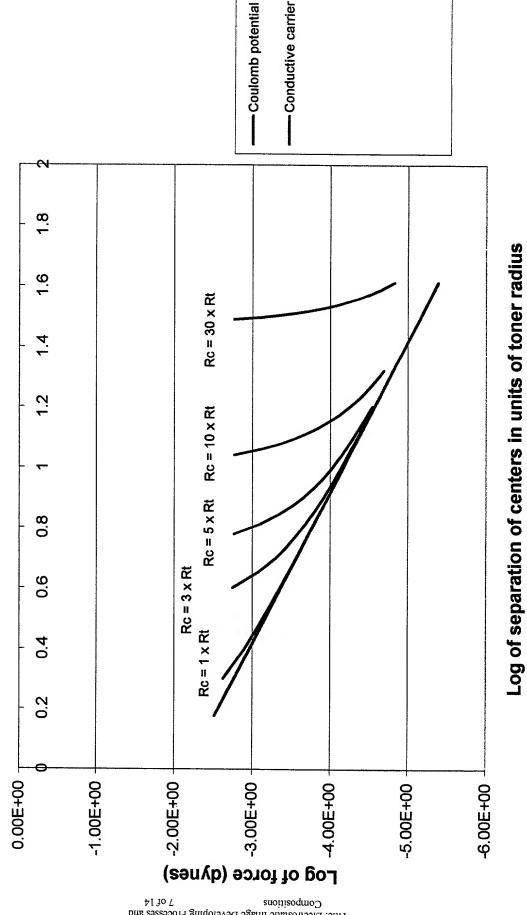


Fig. 6 Force on toner particle



McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Errc C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 6 of 14

Fig. 7 Force as a function of carrier size



McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Errc C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 7 of 14

Log of force

McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 8 of 14

Fig. 8

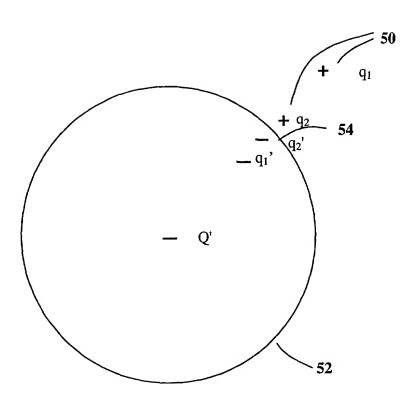
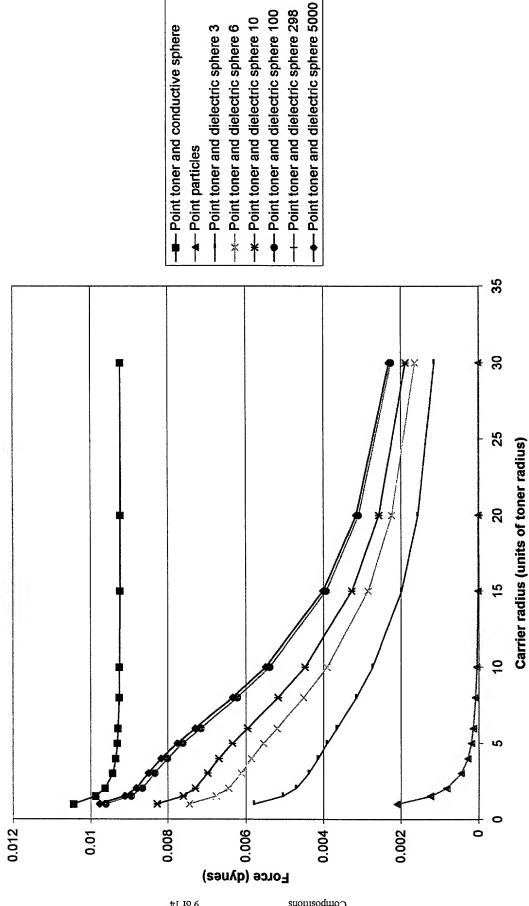


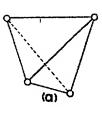
Fig. 9 Force on toner particle; 0.1 q concentrated on surface



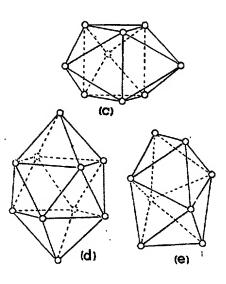
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Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph B. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 9 of 14

McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 10 of 14

Fig. 10







Monodisperse particles with packing fraction 0.6 to 0.2 -Continuous void dist. 0.6 -Continuous void dist. 0.2 -Continuous void dist. 0.4 0.0 Fig. 11 Void sizes in drphs model - Discrete void dist. Void radius (units of carrier radius) 0.7 9 2 50 20 5 8 8 40 30 Percent (cumulative)

McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Errc C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 11 of 14

McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze

Title: Electrostatic Image Developing Processes and Compositions 12 of 14

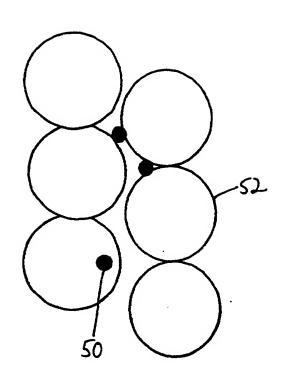
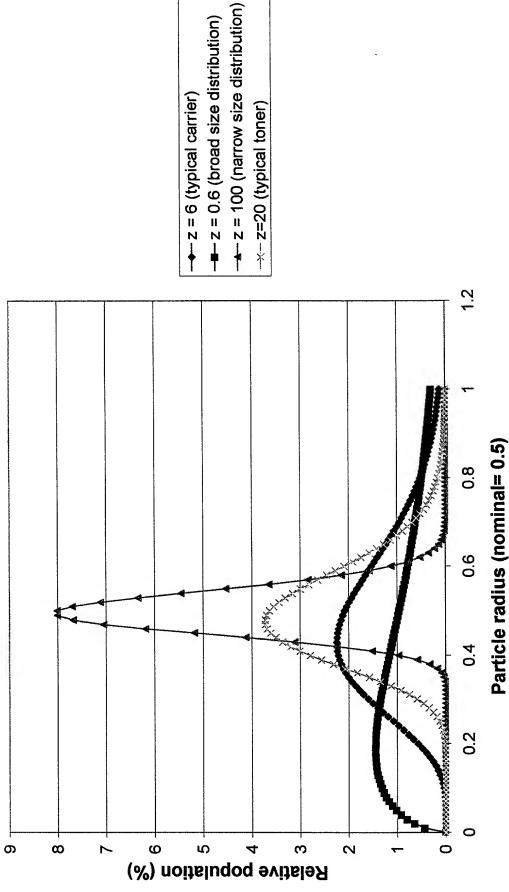


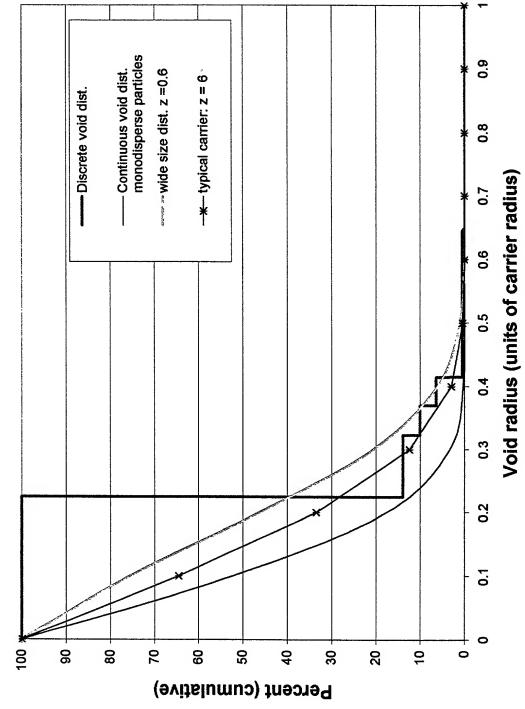
Figure 12

Fig. 13 Schulz distribution



McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 13 of 14

Fig. 14 Void sizes in drphs model



McDonnell Boehnen Hulbert & Berghoff
Case No.: MBHB00-1150 Filed: November 13, 2001
Inventors: Eric C. Stelter, Joseph E. Guth,
and Ulrich Mutze
Title: Electrostatic Image Developing Processes and
Compositions 14 of 14